

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :  
JOE FERNALD ENVIRONMENTAL MGMT  
11000004\*GD  
r Fernald  
Box 538704  
incinnati OH 45253870

Station Code : 001  
Reported Date (Month Year) : November 2003  
Sampling Station Description :  
Final Outfall

Application :  
11000004\*GD

5193  
12/12/2003

5193

- Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample  
- Enter frequency of sampling

Reporting Lab :

Analyst :

(1)	2	2	2	2	1	2	3
(2)	998	998	998	998	999	998	1
	(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(01268) Antimony, Total Recoverable ug/l	(50050) Flow Rate MGD	(80082) CBOD 5 day mg/l	(50092) Mercury, Total (Low Level) ng/l
					7.536		
					6.605		
					7.273		
	AA	AA	1.54	AA	7.655	AA	
	AA	AA	AA	AA	7.349		0.289
	AA	AA	AA		7.404	AA	
					7.039		
					7.22		
	AA	AA	AA		7.243		
					6.781		
	AA	AA	AA		6.528		
					6.792	AA	
	AA	AA	1.16		6.764		
					6.951	AA	
					7.047		
	AA	AA	1.02		7.082		
					7.268	AA	
	AA	AA	1.05		7.326		
					7.494	AA	
	AA	AA	AA		7.647		
	1.04	AA	AA		7.599		
					7.5		
	AA	AA	AA		6.362		
	AA	AA	AA		7.577	AA	
					7.467	AA	
					7.478		
					7.506		
					7.36		
					7.398		
					7.183		
	1.04	0	4.77	0	216.434	0	0.289
	0.0867	0	0.3975	0	7.2145	0	0.289
	1.04	0	1.54	0	7.655	0	0.289
	0	0	0	0	6.362	0	0.289

I declare under the penalty of law that I have personally examined and am familiar with the information submitted and based on my knowledge and belief, the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Report Completed:  
11/2003

Signature of Reporter:  
Frank Johnston

Title of Reporter:  
Environmental Compliance

## MONTHLY REPORT FORM

4500

5193

Name, Address City, County, ZIP :  
 ISDOE FERNALD ENVIRONMENTAL MGMT  
 FROJ  
 Fernald  
 P.O. Box 538704  
 Cincinnati OH 452538704

Station Code :  
 001

Reported Date (Month Year) :  
 November 2003

Application :  
 11000004\*GD

12/12/2003

Sampling Station Description :  
 Final Outfall

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

in(2) - Enter frequency of sampling

(1)	2	2	2	3	3	1	1
(2)	998	998	998	1	1	999	999
Day	(00998) Beryllium, Total Recoverable	(00981) Selenium, Total Recoverable ug/l	(01062) Molybdenum (Mo) ug/l	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(61941) pH, Maximum S.U.	(61942) pH, Minimum S.U.
01				11.1	8.62	7.2	7.1
02				11		7.3	7.2
03				11	8.8	7.2	7.1
04		AA	2.73	11		7.2	7.1
05	AA			10.9		7.2	7.1
06		AA	1.95	10.8		7.2	7.1
07		AA	1.75	10.7		7.3	7.2
08				10.6		7.2	7.1
09		AA	1.85	10.5	6.67	7.2	7.1
10				10.7		7.2	7.1
11				10.8		7.2	7.1
12		AA	3.4	10.8		7.2	7.1
13				10.7		7.2	7.1
14		AA	4.29	10.4	9.94	7.2	7.1
15				10.4	9.63	7.2	7.1
16				10.6		7.2	7.1
17		AA	8.72	10.6		7.2	7.1
18				10.8		7.2	7.1
19		AA	10.3	10.9		7.2	7.1
20				10.8		7.2	7.1
21		AA	8.12	10.8	10.2	7	7
22		AA	7.75	10.9	10.2	7.1	7
23				11		7.1	7.1
24		AA	6.82	10.6	10.17	7.1	7.1
25		AA	5.1	10.3		7.1	7
26				10.4		7.1	7.1
27				10.4		7.1	7
28				10.3		7.1	7
29				10.3		7.1	7.1
30				10.3		7.1	7.1
31							
TOTAL	0	0	62.78	320.4	74.23	215.1	212.7
AVG	0	0	5.2317	10.68	9.2788	N/A	N/A
MAX	0	0	10.3	11.1	10.2	7.3	7.2
MIN	0	0	1.75	10.3	6.67	7	7

Name, Address City, County, ZIP :  
 SDOE FERNALD ENVIRONMENTAL MGMT  
 ROJ  
 uor Fernald  
 O. Box 538704  
 Cincinnati OH 45253870

Station Code :  
 001

Reported Date (Month Year) :  
 November 2003

Application :  
 11000004\*GD

12/12/2003

Sampling Station Description :  
 Final Outfall

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
(2) - Enter frequency of sampling		

(1)	2	3	2	3	2	2	2
(2)	998	1	998	1	998	998	998
	(00530) Total Suspended Solids mg/l	(00556) Oil and Grease, Freon Extr-Grav Meth mg/l	(00610) Nitrogen, Ammonia (NH3) mg/l	(00719) Cyanide, Free mg/l	(00979) Cobalt, Total Recoverable ug/l	(01055) Manganese, Total (Mn) ug/l	(01074) Nickel, Total Recoverable ug/l
01	2.4						
02	AA						
03	AA						
04	AA	2.44	AA		AA	148	1.27
05	AA			AA			
06	AA	1.93	AA		AA	138	AA
07	AA						AA
08	AA						
09	AA						AA
10	AA						
11	AA						
12	AA	4.3	0.283		AA	125	AA
13	AA						
14	AA	AA	0.737		AA	130	AA
15	4.4						
16	AA						
17	AA	2.36	1.21		AA	104	AA
18	4.4						
19	2	4.78	1.04		AA	114	AA
20	2.8						
21	AA						AA
22	AA						AA
23	2.8						
24	2.8	AA	0.532		AA	117	AA
25	2.4	AA	0.35		AA	118	AA
26	2						
27	3.2						
28	4						
29	4						
30	2.4						
31							
TOTAL	39.6	15.81	4.152	0	0	994	1.27
AVG	1.32	1.9762	0.519	0	0	124.25	0.1058
MAX	4.4	4.78	1.21	0	0	148	1.27
MIN	0	0	0	0	0	104	0

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Name, Address City, County, ZIP :  
 SDOE FERNALD ENVIRONMENTAL MGMT  
 ROJ  
 Fernald  
 O. Box 538704  
 Cincinnati OH 452538704

Station Code :  
 001

Reported Date (Month Year) :  
 November 2003

Application :  
 11000004\*GD

12/12/2003

Sampling Station Description :  
 Final Outfall

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
(2) - Enter frequency of sampling		

(1)	2	2	2	2	2	2	2
(2)	998	998	998	998	998	998	998
Day	(01079) Silver, Total Recoverable ug/l	(01094) Zinc, Total Recoverable ug/l	(01113) Cadmium, Total Recoverable ug/l	(01022) Boron, Total (0) ug/l	(01009) Barium, Total Recoverable ug/l	(00978) Arsenic, Total Recoverable ug/l	(00951) Fluoride, Total (F) mg/l
01							
02							
03							
04	AA	2.98	AA		52.8		
05				40.1		AA	0.2
06	AA	42.9	AA		48.5		
07	AA	AA	AA		48.2		
08							
09	AA	AA	AA		48.5		
10							
11							
12	AA	AA	AA		50.4		
13							
14	AA	6.67	AA		51.4		
15							
16							
17	AA	AA	AA		48.6		
18							
19	AA	AA	AA		49.8		
20							
21	AA	AA	AA		49.7		
22	AA	AA	AA		49.5		
23							
24	AA	AA	AA		48.3		
25	AA	AA	AA		48.6		
26							
27							
28							
29							
30							
31							
TOTAL	0	52.55	0	40.1	594.3	0	0.2
AVG	0	4.3792	0	40.1	49.525	0	0.2
MAX	0	42.9	0	40.1	52.8	0	0.2
MIN	0	0	0	40.1	48.2	0	0.2

Name, Address City, County, ZIP :  
DOE FERNALD ENVIRONMENTAL MGMT  
Cincinnati, OH 45253870  
Box 538704

Station Code : 001  
Reported Date (Month Year) : November 2003

Application : 11000004\*GD

12/12/2003

Sampling Station Description :  
Final Outfall

1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

2) - Enter frequency of sampling

(1)	2	3					
(2)	998	1					
	(00630) Nitrite Plus Nitrate, Total mg/l	(70301) Solids, Dissolved-Sum of mg/l					
Day							
01							
02							
03							
04							
05	0.789	441					
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	0.789	441	0	0	0	0	0
AVG	0.789	441					
MAX	0.789	441					
MIN	0.789	441	0	0	0	0	0

4500

## MONTHLY REPORT FORM

Name, Address City, County, ZIP :  
 USDOE FERNALD ENVIRONMENTAL MGMT  
 PROJ  
 Fluor Fernald  
 P.O. Box 538704  
 Cincinnati OH 4525387C

Station Code : 001  
 Reported Date (Month Year) : November 2003  
 Sampling Station Description :  
 Final Outfall

Application : 12/12/2003  
 11000004\*GD

Reporting Code	Result Date	Additional Remarks	Mdl
00530	11/02/2003		2.
00530	11/03/2003		2.
00530	11/04/2003		2.
00530	11/05/2003		2.
00530	11/06/2003		2.
00530	11/07/2003		2.
00530	11/08/2003		2.
00530	11/09/2003		2.
00530	11/10/2003		2.
00530	11/11/2003		2.
00530	11/12/2003		2.
00530	11/13/2003		2.
00530	11/14/2003		2.
00530	11/16/2003		2.
00530	11/17/2003		2.
00530	11/21/2003		2.
00530	11/22/2003		2.
00556	11/14/2003		1.51
00556	11/24/2003		1.62
00556	11/25/2003		1.60
00610	11/04/2003		.016
00610	11/06/2003		.016
00719	11/05/2003		.002
00978	11/05/2003		5.
00979	11/04/2003		1.
00979	11/06/2003		1.
00979	11/12/2003		1.
00979	11/14/2003		1.
00979	11/17/2003		1.
00979	11/19/2003		1.
00979	11/24/2003		1.
00979	11/25/2003		1.
00981	11/04/2003		5.
00981	11/06/2003		5.
00981	11/07/2003		5.
00981	11/09/2003		5.
00981	11/12/2003		5.
00981	11/14/2003		5.
00981	11/17/2003		5.

Report Code	Result Date	Additional Remarks	Mdl
00981	11/19/2003		5.
00981	11/21/2003		5.
00981	11/22/2003		5.
00981	11/24/2003		5.
00981	11/25/2003		1.
00998	11/05/2003		1.
01074	11/06/2003		1.
01074	11/07/2003		1.
01074	11/09/2003		1.
01074	11/12/2003		1.
01074	11/14/2003		1.
01074	11/17/2003		1.
01074	11/19/2003		1.
01074	11/21/2003		1.
01074	11/22/2003		1.
01074	11/24/2003		1.
01074	11/25/2003		1.
01079	11/04/2003		1.
01079	11/06/2003		1.
01079	11/07/2003		1.
01079	11/09/2003		1.
01079	11/12/2003		1.
01079	11/14/2003		1.
01079	11/17/2003		1.
01079	11/19/2003		1.
01079	11/21/2003		1.
01079	11/22/2003		1.
01079	11/24/2003		1.
01079	11/25/2003		1.
01094	11/07/2003		5.
01094	11/09/2003		5.
01094	11/12/2003		5.
01094	11/17/2003		5.
01094	11/19/2003		5.
01094	11/21/2003		1.
01094	11/22/2003		5.
01094	11/24/2003		5.
01094	11/25/2003		5.
01113	11/04/2003		1.
01113	11/06/2003		1.
01113	11/07/2003		1.
01113	11/09/2003		1.
01113	11/12/2003		1.
01113	11/14/2003		1.
01113	11/17/2003		1.
01113	11/19/2003		1.
01113	11/21/2003		1.

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Porting Code	Result Date	Additional Remarks	Mdl
01113	11/22/2003		1.
01113	11/24/2003		1.
01113	11/25/2003		1.
01114	11/04/2003		1.
01114	11/06/2003		1.
01114	11/07/2003		1.
01114	11/09/2003		1.
01114	11/12/2003		1.
01114	11/14/2003		1.
01114	11/17/2003		1.
01114	11/19/2003		1.
01114	11/21/2003		1.
01114	11/24/2003		1.
01114	11/25/2003		1.
01118	11/04/2003		1.
01118	11/06/2003		1.
01118	11/07/2003		1.
01118	11/09/2003		1.
01118	11/12/2003		1.
01118	11/14/2003		1.
01118	11/17/2003		1.
01118	11/19/2003		1.
01118	11/21/2003		1.
01118	11/22/2003		1.
01118	11/24/2003		1.
01118	11/25/2003		1.
01119	11/06/2003		1.
01119	11/07/2003		1.
01119	11/09/2003		1.
01119	11/12/2003		1.
01119	11/21/2003		1.
01119	11/22/2003		1.
01119	11/24/2003		1.
01119	11/25/2003		1.
01268	11/05/2003		1.
80082	11/04/2003		2.
80082	11/06/2003		2.
80082	11/12/2003		2.
80082	11/14/2003		2.
80082	11/17/2003		2.
80082	11/19/2003		2.
80082	11/24/2003		2.
80082	11/25/2003		2.

5193

Name, Address City, County, ZIP :  
JSDOE FERNALD ENVIRONMENTAL MGMT  
PROJ  
Fluor Fernald  
P.O. Box 538704  
Cincinnati OH 45253870

Station Code : 002  
Reported Date (Month Year) : November 2003

Application :  
11000004\*GD

12/12/2003

Sampling Station Description :  
Storm Water Retention Basin Overflow

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

(1)	2	2	3	3	3	3	3
(2)	4	4	1	1	1	1	1
	(00530) Total Suspended Solids mg/l	(01042) Copper, Total (Cu ug/l	(50050) Flow Rate MGD	(61941) pH, Maximum S.U.	(50060) Chlorine, Total Residual mg/l	(50092) Mercury, Total (Low Level) ng/l	(61942) pH, Minimum S.U.
Day							
01	AL						
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	0	0	0	0	0	0	0
AVG	0			N/A			N/A
MAX	0						
MIN	0	0	0	0	0	0	0

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date Report Completed: 12/13/2003	Signature of Reporter: Frank Johnson	Title of Reporter: Environmental Compliance
--------------------------------------	---	--

## MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :  
JOE FERNALD ENVIRONMENTAL MGMT  
Cincinnati  
P.O. Box 538704  
Cincinnati OH 45253870

Station Code :  
002

Reported Date (Month Year) :  
November 2003

Application :  
11000004\*GD

12/12/2003

## Sampling Station Description :

Storm Water Retention Basin Overflow

Name, Address City, County, ZIP :  
 DOE FERNALD ENVIRONMENTAL MGMT  
 ROJ  
 Fernald  
 P.O. Box 538704  
 Cincinnati OH 452538704

Station Code :  
 601

Reported Date (Month Year) :  
 November 2003

Application :  
 11000004\*GD

12/12/2003

Sampling Station Description :  
 Sewage Treatment Plant Effluent (Internal to 001)

1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample  
 2) - Enter frequency of sampling

Reporting Lab :

Analyst :

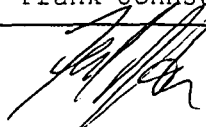
(1)	1	3	2	2			
(2)	999	1	998	998			
	(50050) Flow Rate MGD	(00400) pH S.U.	(00530) Total Suspended Solids mg/l	(80082) CBOD 5 day mg/l			
Day							
01	0.023	6.39					
02	0.025	6.1					
03	0.028	6.54					
04	0.026	6.2	7.2	2.5			
05	0.024	6.37					
06	0.0262	5.86	10.8	AA			
07	0.0209	5.51					
08	0.0175	5.38					
09	0.021	5.36					
10	0.0237	5.46					
11	0.0165	5.7					
12	0.0428	5.65	29.2	2.5			
13	0.0371	5.93					
14	0.0264	5.75	9.2	AA			
15	0.0194	5.57					
16	0.0149	5.79					
17	0.0252	6.25	9.2	AA			
18	0.0274	5.95					
19	0.0294	5.94	2.8	AA			
20	0.0336	5.61					
21	0.0187	6.05					
22	0.0175	5.54					
23	0.018	5.46					
24	0.0304	5.66	10	AA			
25	0.0252	6.27	9.6	AA			
26	0.023	6.08					
27	0.0262	5.72					
28	0.038	5.87					
29	0.024	6.37					
30	0.019	6.56					
31							
TOTAL	0.748	176.89	88	5	0	0	0
AVG	0.0249	N/A	11	0.625			
MAX	0.0428	6.56	29.2	2.5			
MIN	0.0149	5.36	2.8	0	0	0	0

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my knowledge of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Report Completed:  
 2/13/2003

Signature of Reporter:  
 Frank Johnston

Title of Reporter:  
 Environmental Compliance



Name, Address City, County, ZIP :  
3DOE FERNALD ENVIRONMENTAL MGMT  
ROJ

Station Code :  
601

Reported Date (Month Year) :  
November 2003

Application :  
11000004\*GD

12/12/2003

for Fernald  
P. Box 538704  
Cincinnati OH 45253870

Sampling Station Description :

Sewage Treatment Plant Effluent (Internal to 001)

Reporting Code	Result Date	Additional Remarks	Mdl
80082	11/06/2003		2.
80082	11/14/2003		2.
80082	11/17/2003		2.
80082	11/19/2003		2.
80082	11/24/2003		2.
80082	11/25/2003		2.